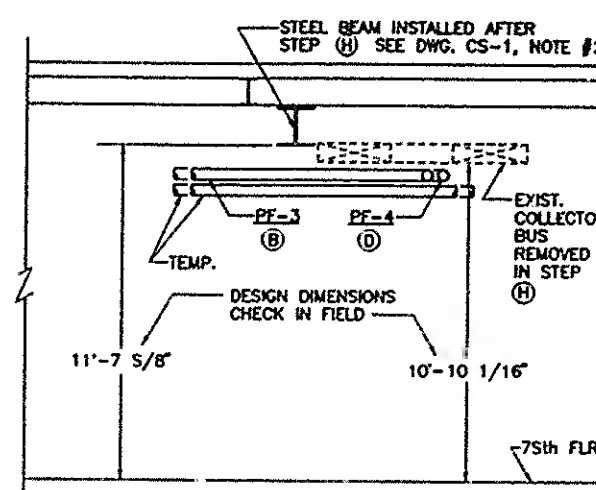
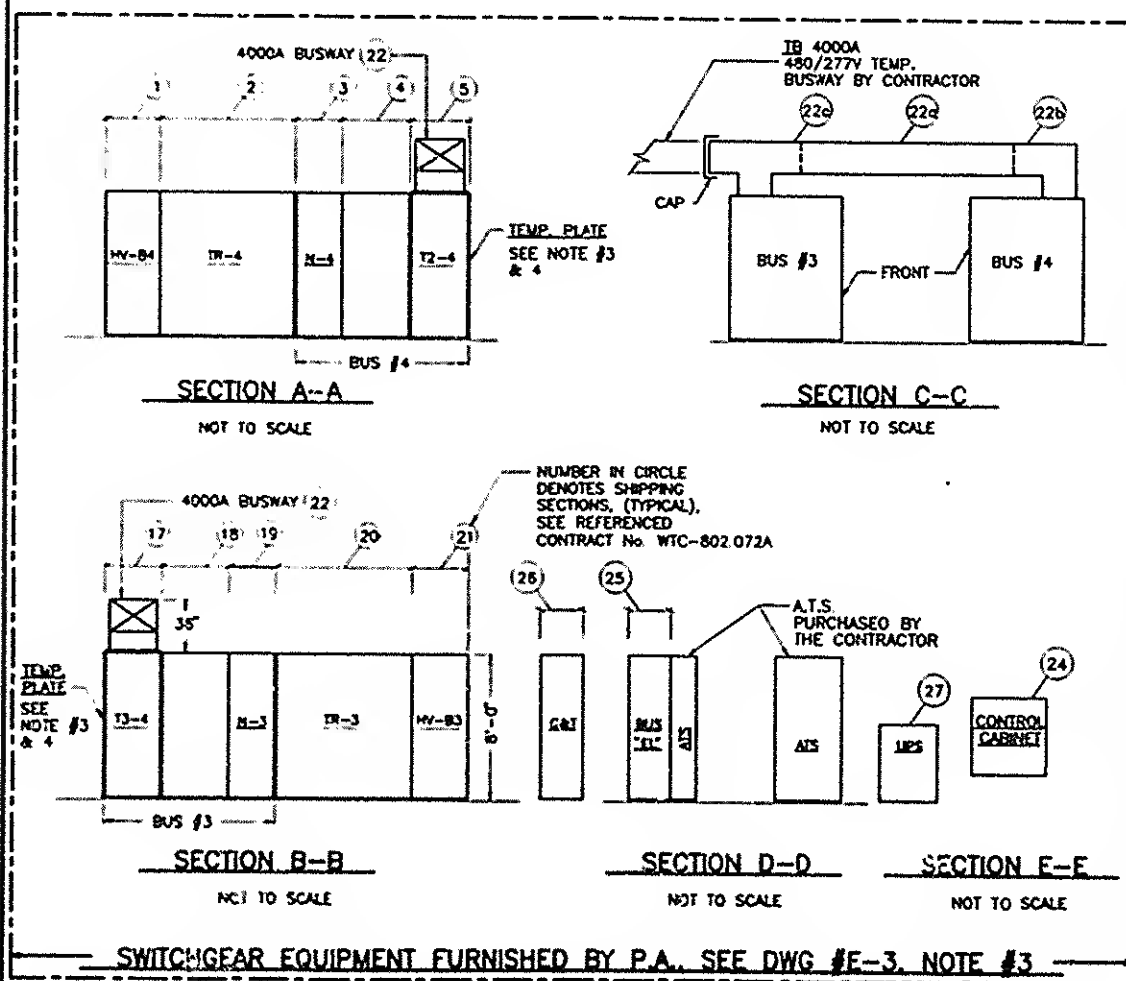
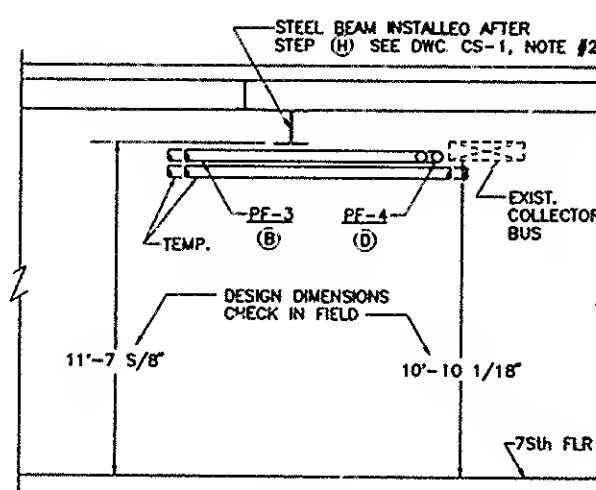


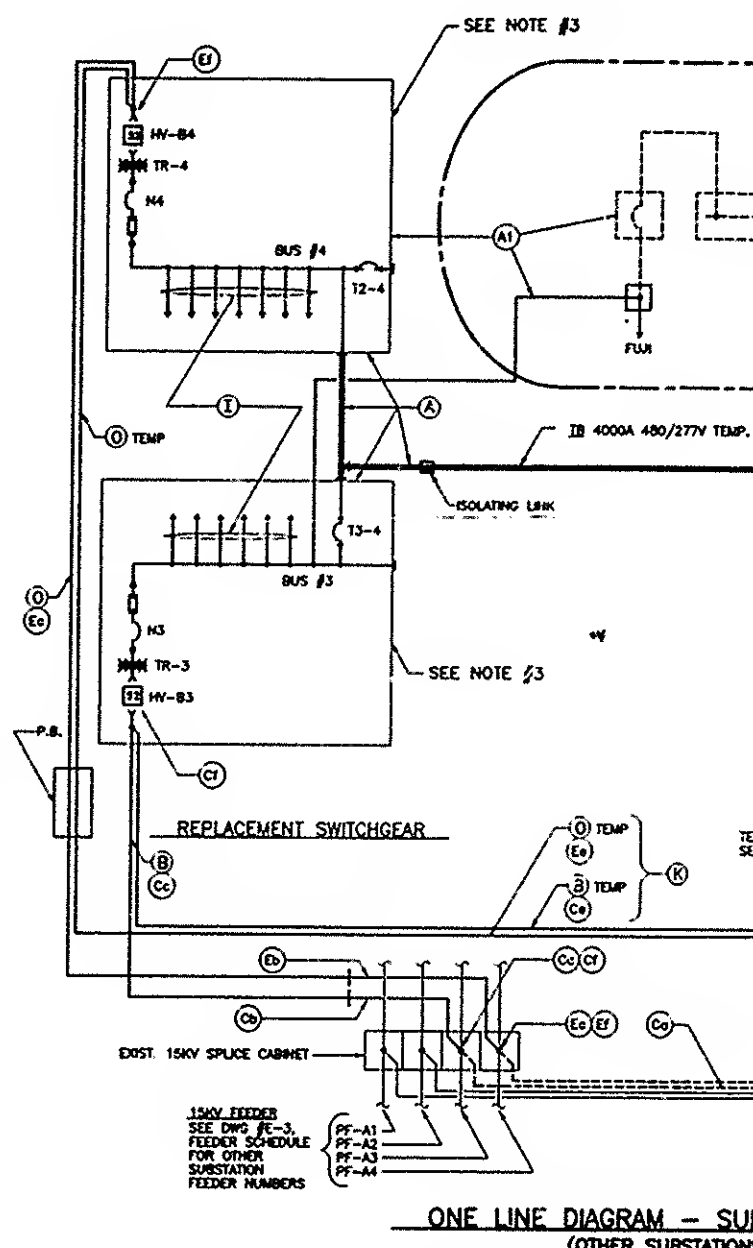
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TYPICAL PLAN - SUBSTATION SS-75N
(OTHER SUBSTATIONS SIMILAR)
SCALE IN FEET



SECTION F-F
FOR SUBSTATIONS SS-75W & SS-75E ONLY



SECTION F-F
ALL SUBSTATIONS EXCEPT SS-75W & SS-75E



ONE LINE DIAGRAM - SUBSTATION SS-75N
(OTHER SUBSTATIONS SIMILAR)

SEQUENCE OF INSTALLATION STAGE II (SEE NOTE #2 AND 5)				
STEP	DESCRIPTION OF WORK	OUTAGE AT SUBSTATION (SEE NOTE #2)	LOAD LOST	REMARKS
A	INSTALL BUS #3 & 4 WITH ASSOCIATED EQUIPMENT & TEMPORARY 480/277V BUSWAY TO EXIST. SWITCHGEAR. INSTALL EL. BUS WITH A.T.S. INSTALL TEMPORARY UPS	- 0 -	- 0 -	HOLD CONNECTION OF TEMPORARY BUS AT EXIST. SWITCHGEAR END.
B	INSTALL COT. PF-A3 FROM HV-B3 TO EXISTING 15KV. SPLICE CABINET, AND COT. PF-A3 TEMP. FROM HV-B3 TO EXIST. TR-3	- 0 -	- 0 -	END COT. SHORT OF SPLICE CAB & EXIST. TR-3.
C	a. REMOVE EXIST'G PF-A3 COT. & CABLE FROM SPLICE CABINET TO EXISTING SWITCHGEAR. b. EXTEND COT. PF-A3 TO EXISTING 15KV. SPLICE CABINET. c. INSTALL FDR. PF-A3, SPLICE & CONNECT. d. EXTEND COT. PF-A3 TEMP TO EXIST. TR-3 e. INSTALL FDR. PF-A3 TEMP. & CONNECT f. TEST & ENERGIZE FEEDER PF-A3, RE-ENERGIZE EXIST. TR-3.	0	- 0 -	DE-ENERGIZE FOR PF-A3 AND KEEP OUT OF SERVICE FOR DURATION OF STEP C. (THE 3 REMAINING FEEDERS WILL SUPPLY 1/2 OF THE TOWER) BKR. HV-B3 TO BE LOCKED OPEN AFTER TEST.
D	INSTALL COT. PF-A4 FROM HV-B4 TO EXISTING 15KV. SPLICE CABINET, AND COT. PF-A4 TEMP. FROM HV-B4 TO EXIST. TR-4	- 0 -	- 0 -	END COT. SHORT OF SPLICE CAB & EXIST. TR-4.
E	a. REMOVE EXIST'G PF-A4 COT. & CABLE FROM SPLICE CABINET TO EXISTING SWITCHGEAR. b. EXTEND COT. PF-A4 TO EXISTING 15KV. SPLICE CABINET. c. INSTALL FDR. PF-A4, SPLICE & CONNECT. d. EXTEND COT. PF-A4 TEMP TO EXIST. TR-4 e. INSTALL FDR. PF-A4 TEMP. & CONNECT f. TEST & ENERGIZE FEEDER PF-A4, RE-ENERGIZE EXIST. TR-4.	0	- 0 -	OPEN EXIST. TR-4 NETWORK PROTECTOR & LOCK OUT OF SERVICE. DE-ENERGIZE FOR PF-A4 & KEEP OUT OF SERVICE FOR DURATION OF STEP E. (THE 3 REMAINING FEEDERS WILL SUPPLY 1/2 OF THE TOWER) BKR. HV-B4 TO BE LOCKED OPEN AFTER TEST.
F	COMMISSION BUS #3 & 4 LINE-UPS (SEE NOTE #5)	- 0 -	- 0 -	SEE SPEC. SECTION 16999 FOR COMMISSIONING PROCEDURE
G	MAKE TEMPORARY 480/277V BUSWAY CONNECTION AT EXIST. COLLECTOR BUS	C	NO POWER TO SUBSTATION	OPEN EXIST. BKR. H1,2,3,4 & HV-B3, HV-B4. (SEE NOTE #5 & #6)
H	a. OPEN EXIST'G 12.3 NETWORK PROTECTOR AND PRIMARY DISC. SW.-CLOSE BKR. HV-B3. b. (REPEAT a. FOR EXIST. TR-4 & HV-B4.)	- 0 -	- 0 -	NEWLY INSTALLED EQUIP. WILL SUPPLY LOADS WITH EXIST. TR-3 & TR-4 ACTING AS BACK-UP.
I	TRANSFER LOADS FROM EXIST. "L" BUS TO BUS 3 & 4, REMOVE EXIST. FDR'S.	A, B OR C	NO POWER TO LOADS BEING TRANSFERRED	APPROX. 11 LOADS
J	DISCONNECT COLLECTOR BUSWAY, REMOVE HALF & CAP END.	A OR B	NO POWER TO SUBSTATION EXCEPT LOADS ON BUS #3	OPEN BKR. H1, H2, H3, H4 & T3
K	REMOVE FDR'S. PF-A3 TEMP. & PF-A4 TEMP. REMOVE EXIST. "L" BUS. TRANSFORMER #TR-3 & TR-4 WITH ASSOCIATED EQUIPMENT	C	- 0 -	SAME REMARKS AS (C) & (D) ABOVE
- SEQUENCE FOR SS-75W & SS-75E ONLY -				
L	PERFORM STEPS (A) (B) (C) & (D) FOR BUS #3 LINE-UP WITHOUT INSTALLING BUS #4 UNTIL FIRST TRANSFERRING FUJI LOAD FEEDER TO BUS #3 & REMOVING EXIST. FUJI EQUIPMENT	A OR B	NO POWER TO LOADS BEING TRANSFERRED	CONTINUE STEPS (I) TO (K) ABOVE